

194 C T A C T T C A G A A G A G T G T A C T G T C G C A T G G G G A G T C T G T A A C C A T G C T T T C A C T T C C A C T T 233


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RESULT 4
US-09-960-352-4677
: Sequence 4677, Application US/09960352
: Patent NO. US20020137139A1
: GENERAL INFORMATION:
: APPLICANT: Warren, Wesley C.
: APPLICANT: Tao, Nengbing
: APPLICANT: Byatt, John C.
: APPLICANT: Mathialagan, Nagappan
: TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
: FILE REFERENCE: 16511.006/37-21(10298)C
: CURRENT APPLICATION NUMBER: US/09/960.352
: NUMBER OF SEQ ID NOS: 2001-09-24
: SEQ ID NO 4677.
: LENGTH: 380
: TYPE: DNA
: ORGANISM: Bos taurus
: OTHER INFORMATION: Clone ID: 20-LIB34-034-Q1-E1-E7
US-09-960-352-4677

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Query Match	62.3%	Score 316.6	DB 10	Length 380
Best Local Similarity	94.2%	Pred. No. 4.5e-82		
Matches 340	Conservative	0	Mismatches 19	Indels 2
				Gaps 1

QY	14	CAGGATGATGATGGATACCCCGAGCGGCACCAACACCGCGCGCGCAAGAAGCGCTTG	73
Db	2	CAGGATGATGATGGATACCCCGAGCGGCACCAACAGCGCGCGCAAGAAGCGCTTG	61
QY	74	AAGTGAAGAAATGGATGCAATACCCCTCTGCGGCTGGGATATTGTGGTGTATACGTGTG	133
Db	62	AAGTGAAGAAATGGATGCAATACCCCTCTGCGGCTGGGATATTGTGGTGTATACGTGTG	122
QY	134	GCATCTGCAGGACACATTTATGGATCTTTGCATAGAAATGTCAGAGTCAACAGGCGTCCG	195
Db	122	GCATCTGCAGGACACCATTTATGGATCTTTGCATAGAAATGTCAGAGTCAACAGGCGTCCG	189
QY	194	CTACTCTGAGAGATGTACTGTCCATGAGGGAGTCTGTAAACATAGCTTTTCACTTCCACT	255
Db	182	CTACTCTGAGAGATGTGCACGCTGGCGGTGGGCGCTGTAAACATAGCTTTTCACTTCCACT	244
QY	254	GCATCTCTCGCTGGCTCAAAACACGACAGTGTGTCCATTGGACACAGAGAGTGGAAAT	313
Db	242	GCATCTCTCGCTGGCTCAAAACACGACAGTGTGTCCGTTGGACACAGAGAGTGGAAAT	302
QY	314	TCCAAAAGTATGGGCACTAGGAAA--AGACTTCTTCCATCAAGCTTAATTGTTTGTAT	377
Db	302	TCCAAAAGTATGGGCACTAGGAAAAGAAATCTTCGATTAACTCAACTGTTTTTTTGT	361
QY	372	T 372	
Db	362	T 362	

```

RESULT 5
US-09-962-436-220/C
: Sequence 220, Application US/09962436
: Patent No. US20020081301A1
: GENERAL INFORMATION:
: APPLICANT: Soppel, Daniel
: TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
: TITLE OF INVENTION: Sets
: FILE REFERENCE: 689290-75
: CURRENT APPLICATION NUMBER: US/09/962,436
: CURRENT FILING DATE: 2001-09-25
: PRIOR APPLICATION NUMBER: US/60/235,082
: PRIOR FILING DATE: 2000-09-25
: PRIOR APPLICATION NUMBER: US/60/234,924
: PRIOR FILING DATE: 2000-09-25
: NUMBER OF SEQ ID NOS: 568
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 220

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; LENGTH: 418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-962-436-220

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Query Match	53.7%;	Score 272.8;	DB 10;	Length 418;
Best Local Similarity	86.0%;	Pred. No. 2.5e-69;		
Matches 349;	Conservative	0;	Mismatches 52;	Indels 5; Gaps 4;

Qy	101	TCGTGGGCGCTGGGAATTTGGTTGGTATACGTGGCAATCGAGAGAACCAATTATGGATC	166
Db	417	TCTGGCGCTTGGGAATGTTGTGTGTTATATACGTGGCAATCGAGAGAACCAAGCATGGATC	358
Qy	161	TTTGCAATAGAATGTGCAACCTAACCCAGGCGTCCGCTACTTCAGAAAGATGATCTGGCAT	220
Db	357	- -TGCATGAAATGTCAAGACTAACCAAGATGTGGCCACTTCAGAAAGTGTATCCCTTGCAC	300
Qy	221	GGGGAATCTGTAAACCATGCTTTTCACTTCCACTGCACTCTCTCGGTGGCTCAAAACACGAC	288
Db	299	GGGGAGCGCTGTAAACCGTGGCTTTTCACTT - CACTGTCTCTCACTGCGCTCAAAACACAC	241
Qy	281	AGGTGTGTCATTTGGACAACAGAGATGGGAATTCACAAAGATATGGGCAATAGGAAGA	340
Db	240	AGCTGTGCTTGTGGACACAGACAATAGGAATTTCCAAAGATATGGGACACAGAAAAAGA	181
Qy	341	CTTCTTCCATCAAGCTTAATTTGTTTGTATTCATTTAATTTGACTTTCCCTGCTGTACC	400
Db	180	ATTTCTTCATCAAGCTTAACGTGTTTGTGATTCATTTAA - TGACTTCCCTCTTGCATC	122
Qy	401	TAAATTCAAATTTGGATGAGACTGTGTTTTTTCTGTCTTGTGTTTATAGTTTGTGTTTC	466
Db	121	TAAATTAATAATTAATATGAAACTGTG - ACTTTTCTGTCTTGTCTTTCGCAATTTGCTGTCT	63
Qy	461	TGTAGCAATTTGTATTTCTGTGCAAAATTAAGTCCAGTGGATCT	506
Db	62	CGAGCCACATTTGATTTCTGTGTCAAAATTAAGTCCAGTGGATTTCT	17

RESULT 6
US-09-918-995-14771
; Sequence 14771, Application US/09918995
; Publication No. US20030073623A1
Genetic Information

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1  APPLICANT: Hyseq, Inc.
2  TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
3  FROM VARIOUS CDNA LIBRARIES
4  FILE REFERENCE: 20411-756
5  CURRENT APPLICATION NUMBER: US/09/918,995
6  CURRENT FILING DATE: 2001-07-30
7  PRIOR APPLICATION NUMBER: US/09/235,076
8  PRIOR FILING DATE: 1999-01-20
9  NUMBER OF SEQ. ID NOS: 38054
10 SOFTWARE: fastseq for Windows Version 3.0
11 SEQ ID NO 14771
12 LENGTH: 439
13 TYPE: DNA
14 ORGANISM: Homo sapiens
15 US-09-918-995-14771

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	Query Match	Similarity	99.0%	Score	205.8	DB	9	length	439
	Best Local			Pred.	No.	7.5e-50			
	Matches	207	Conservative	0	Mismatches	2	Indels	0	Gaps
OY	84	GTGATACAGTAGCCCTCTGTGGGCTTGAGATATTGTGTTGATTAACGTGCCATCTGCAG	143						
Db	231	GTGGATACAGATATCCCTCTGTGGGCTTGAGATATTGTGATGATTAACGTGCCATCTGCAG	290						
OY	144	GAACACATTATGATCTTTTGATGTAATGTAACTAAACGGGGCTCCGACTTTCAGA	203						
Db	291	GAACACATTATGATCTTTTGATGTAATGTAACTAAACGGGGCTCCGACTTTCAGA	350						
OY	204	AGAGTTCCTGTGGCATGGGAGTCTGTAAACATGCTTTTCACTTCCATGCATCTTCG	263						

Db 351 AGAGTGTACTGTGGCATGGGAGTCTGTAAACCATGCTTTTCACTTCCACTGCATCTCTCG 410
QY 264 CTGGCTCAAAACAGCAGAGGTGTGCAT 292
Db 411 CTGGCTCAAAACAGCAGAGGTGTGCAT 439

RESULT 7
US-09-815-343-1466
Sequence 1466, Application US/09815343
Patent No. US20010055596A1
GENERAL INFORMATION:
APPLICANT: Meagher, Madeleine
APPLICANT: Xu, Jiangchun
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.504
CURRENT APPLICATION NUMBER: US/09/815.343
CURRENT FILING DATE: 2001-03-22
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1466
LENGTH: 202
TYPE: DNA
ORGANISM: Homo sapien
US-09-815-343-1466

Query Match 37.6%; Score 191; DB 10; Length 202;
Best Local Similarity 99.5%; Pred. No. 9.7e-46;
Matches 202; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 295 GACAACAGAGTGGGAATTCCAAAGATGAGGACATGAGAAAGACTTCTTCATCAG 354
Db 1 GACAACAGAGTGGGAATTCCAAAGATGAGGACATGAGAAAGACTTCTTCATCAG 60
QY 355 CTATATGTTTGTATCATTAATTAATGCTTCCCTGCTGTACTTACTTATGCAATTTGG 414
Db 61 CTATATGTTTGTATCATTAATTAATGCTTCCCTGCTGTACTTACTTATGCAATTTGG 119
QY 415 ATGGAACGTGTTTTTCTGCTTTTCTGTTTCACTTGTGTTTCTAGCCATATTGT 474
Db 120 ATGGAACGTGTTTTTCTGCTTTTCTGTTTCTGTTTCACTTGTGTTTCTAGCCATATTGT 179
QY 475 ATCTGTGTCAAAATTAAGTCCAG 497
Db 180 ATCTGTGTCAAAATTAAGTCCAG 202

RESULT 8
US-09-770-791-20
Sequence 20, Application US/09770791
Patent No. US20020062014A1
GENERAL INFORMATION:
APPLICANT: Gorlach, Jorn
APPLICANT: An, Yong-Qiang
APPLICANT: Hamilton, Carol M.
APPLICANT: Price, Jennifer L.
APPLICANT: Raines, Tracy M.
APPLICANT: Yu, Yang
APPLICANT: Rameaka, Joshua G.
APPLICANT: Page, Amy
APPLICANT: Matthew, Abraham V.
APPLICANT: Ledford, Brooke L.
APPLICANT: Woessner, Jeffrey P.
APPLICANT: Haas, William David
APPLICANT: Garcia, Carlos A.
APPLICANT: Krickler, Maja
APPLICANT: Slader, Ted
APPLICANT: Davis, Keith R.
APPLICANT: Allen, Keith
APPLICANT: Hoffman, Neil
APPLICANT: Hurban, Patrick

;; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
;; FILE REFERENCE: 2029 (PARA-018PRV)
;; CURRENT APPLICATION NUMBER: US/09/770.791
;; CURRENT FILING DATE: 2001-01-26
;; PRIOR APPLICATION NUMBER: 60/178,480
;; PRIOR FILING DATE: 2000-01-27
;; NUMBER OF SEQ ID NOS: 999
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 20
;; LENGTH: 390
;; TYPE: DNA
;; ORGANISM: Arabidopsis thaliana
US-09-770-791-20

Query Match 34.1%; Score 173; DB 10; Length 390;
Best Local Similarity 77.7%; Pred. No. 2.4e-40;
Matches 209; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 64 AAGCGCTTGAAGTAAAGTGAATGAGTACGCTCTGGCCTGGGATATTGTGTT 123
Db 110 AAGCGATTCGAATTAAGAGTGGAGCGCCGTTGCTCTGTGGCTTGGGATATCCTTGT 169
QY 124 GATACGTGGCATCTGGAGAACCATTAATGATCTTTGCATGATGCAAGCTAAC 183
Db 170 GACAACGTGGCATCTGGAGAACCATTAATGATCTTTGTATGATGATGCAAGCTAAC 229
QY 184 CAGCGCTCGGTACTTCAAGAGTGTACTGTCCGATGGGAGTCTGAACCATCTTTT 243
Db 230 CAGCGCATGCGCACAGAGTGAAGAGTCACTGAGCTTGGGGGTTTGCATACACGCCCTTC 289
QY 244 CACTTCCACTGCATCTCTCGCTGCTCAAAACAGCAGAGTGTGCCATTGGACACAGA 303
Db 290 CACTTCCACTGCATCAGCAGATGGCTAAAGACTCTCTCAAGTTTGTCCATTGATTAACAGT 349
QY 304 GAGTGGAAATCCAAAGATATGGGCCTA 332
Db 350 GAGTGGAGTTTCAGAAATATGTCCTA 378

RESULT 9
US-09-294-0938-735
Sequence 735, Application US/092940938
Patent No. US20010051355A1
GENERAL INFORMATION:
APPLICANT: Lajudi, Raghuath, V.
APPLICANT: Ito, Laura, Y.
APPLICANT: Sherman, Bradley, K.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL
FILE REFERENCE: PL-0009 US
CURRENT APPLICATION NUMBER: US/09/294.0938
CURRENT FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/082,567
PRIOR FILING DATE: April 21, 1998
NUMBER OF SEQ ID NOS: 6207
SOFTWARE: PERL Program
SEQ ID NO 735
LENGTH: 271
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc-feature
OTHER INFORMATION: Incyte ID No. US20010051355A1 700343233H1
LOCATION: 89, 219
OTHER INFORMATION: a, t, c, g, or other
US-09-294-0938-735

Query Match 15.0%; Score 76.4; DB 10; Length 271;
Best Local Similarity 70.6%; Pred. No. 2.2e-12;
Matches 115; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

QY 25 GTGATACCCGAGCGGACCAACAGCGCGGCAAGAGCCCTTGAAGTGAAGAAAG 84


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QY 178 GCTAACGAGGGTCCGCTACTTTCAGAGAGTGTACTGTCCGATGGGAGTCTGTACCAT 237
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 196 GCTGAAAA-----CAACACAGAGAGCTGTGTGGTGTGGGAGAAATGAATCAT 246
QY 238 GCTTTCACTTCACACTGTCTGTCTGCTGCTCAAAACACAGAGGCTGTGCATTGGAC 297
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 247 TCCTTCCACACACTGTGTGTGTCTGCTGTGGGTGAACAGAACATCGTCCCTCTCTGC 306
QY 298 AACAGAGAGTGGGAATTCCAA 319
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 307 CAGCAGAGACTGGGTGTCCAAA 328

RESULT 13
US-09-878-574-2188
; Sequence 2188, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 2188
; LENGTH: 359
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: LIB3028-028-Q1-B1-B8
US-09-878-574-2188

Query Match 14.48; Score 73; DB 10; Length 359;
Best Local Similarity 77.98; Pred. No. 2.3e-11;
Matches 88; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 223 GGAGTCTGTACCATGCTTTTCACTTCACATCTCGCTGGCTCAAAACAGAGAG 282
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1 GGAGTTTGTACCATGCTTTTCACTTCATTCATTAAGCCATGGCTCAAGACCGGTCAA 60
QY 283 GTGTGTCATTGACACAGAGAGTGGGAATTCCAAAGTATGGGCACTAGGA 335
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 GTATGTCCTAGATTAATAGGAGTGGGAGTTTCAGAAATACGGTCACTAGAA 113

RESULT 14
US-09-933-797-112/c
; Sequence 112, Application US/09933797
; Patent No. US2002015119A1
; GENERAL INFORMATION:
; APPLICANT: Robert A. Sikes et al.
; TITLE OF INVENTION: Isolation and Use of Fetal Urogenital
; FILE REFERENCE: 9901-007-999
; CURRENT APPLICATION NUMBER: US/09/933,797
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: US/09/482,933
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: PCT/US99/10746
; PRIOR FILING DATE: 1999-05/14
; PRIOR APPLICATION NUMBER: 60/085,383
; PRIOR FILING DATE: 1998-05-14
; NUMBER OF SEQ ID NOS: 811
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 112
; LENGTH: 331
; TYPE: DNA
; ORGANISM: Murine
```

```
FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(331)
; OTHER INFORMATION: n = A,T,C or G
US-09-933-797-112

Query Match 13.88; Score 70; DB 9; Length 331;
Best Local Similarity 62.68; Pred. No. 1.8e-10;
Matches 127; Conservative 1; Mismatches 67; Indels 8; Gaps 1;

QY 292 TTGGACACAGAGAGTGGGAATTCCAAAGTATGGGCACTAGAAAGACTTCTTCATC 351
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 331 TTGGACACACAGAGAGTGGGAGTTCAGAGATATGGMAATGGAAAGACTTCCCGCAAG 272
QY 352 AAGCTTAATGTTTGTATTATCAATTAATGACTTCCCTGCTTACCTAATTACAAAT 411
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 271 GNGTACCACATCTGTACTGCTGTAGTACTTCCTGTATTAATAT-----ACATTAAT 220
QY 412 TGATGAGACTGTGTTTCTGTTGTTGTTTTCATTTGCTGTGTTCTGTAGCATAT 471
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 219 AGAACCATGTCCTTTTGTGTTGTTGTTGTTGAGTTGGAGTTGGTCCGACCATAT 160
QY 472 TGTAATCTGTGTCAAATTAAGTC 494
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 159 TGTAATTTGTGTCAATTAAGCC 137

RESULT 15
US-09-796-692-8547
; Sequence 8547, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algaier, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THER
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8547
; LENGTH: 612
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (485)
```


